



| A   | B | C | D | E   | F     | G  | H | I | J | K |
|-----|---|---|---|---|-------|--|---|---|---|---|
| 74  |   |   |   | Shapiro Wilk Test Statistic   | 0.869 | <b>Shapiro Wilk GOF Test</b>                         |   |   |   |   |
| 75  |   |   |   | 5% Shapiro Wilk Critical Value  | 0.94  | Detected Data Not Lognormal at 5% Significance Level |   |   |   |   |
| 76  |   |   |   | Lilliefors Test Statistic   | 0.221 | <b>Lilliefors GOF Test</b>                           |   |   |   |   |
| 77  |   |   |   | 5% Lilliefors Critical Value  | 0.14  | Detected Data Not Lognormal at 5% Significance Level |   |   |   |   |
| 78  |   |   |   | <b>Detected Data Not Lognormal at 5% Significance Level</b>   |       |  |   |   |   |   |
| 79  |   |   |   | #VALUE!   |       |  |   |   |   |   |
| 80  |   |   |   | <b>Lognormal ROS Statistics Using Imputed Non-Detects</b>   |       |  |   |   |   |   |
| 81  |   |   |   | Mean in Original Scale  | 1.237 | Mean in Log Scale                                    |   |   |   |   |
| 82  |   |   |   | SD in Original Scale  | 1.014 | SD in Log Scale                                      |   |   |   |   |
| 83  |   |   |   | 95% t UCL (assumes normality of ROS data)   | 1.401 | 95% Percentile Bootstrap UCL                         |   |   |   |   |
| 84  |   |   |   | 95% BCA Bootstrap UCL   | 1.428 | 95% Bootstrap t UCL                                  |   |   |   |   |
| 85  |   |   |   | 95% H-UCL (Log ROS)   | 1.364 | #VALUE!  |   |   |   |   |
| 86  |   |   |   | #VALUE!   |       |  |   |   |   |   |
| 87  |   |   |   | <b>DL/2 Statistics</b>  |       |  |   |   |   |   |
| 88  |   |   |   | <b>DL/2 Normal</b>  |       | <b>DL/2 Log-Transformed</b>                          |   |   |   |   |
| 89  |   |   |   | Mean in Original Scale  | 1.238 | Mean in Log Scale                                    |   |   |   |   |
| 90  |   |   |   | SD in Original Scale  | 0.938 | SD in Log Scale                                      |   |   |   |   |
| 91  |   |   |   | 95% t UCL (Assumes normality)   | 1.389 | 95% H-Stat UCL                                       |   |   |   |   |
| 92  |   |   |   | <b>DL/2 is not a recommended method, provided for comparisons and historical reasons</b>  |       |  |   |   |   |   |
| 93  |   |   |   | #VALUE!   |       |  |   |   |   |   |
| 94  |   |   |   | <b>Nonparametric Distribution Free UCL Statistics</b>   |       |  |   |   |   |   |
| 95  |   |   |   | <b>Data do not follow a Discernible Distribution at 5% Significance Level</b>   |       |  |   |   |   |   |
| 96  |   |   |   | #VALUE!   |       |  |   |   |   |   |
| 97  |   |   |   | <b>Suggested UCL to Use</b>   |       |  |   |   |   |   |
| 98  |   |   |   | 95% KM (t) UCL  | 1.381 | 95% KM (% Bootstrap) UCL                             |   |   |   |   |
| 99  |   |   |   | #VALUE!   |       |  |   |   |   |   |
| 100 |   |   |   | Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.              |       |  |   |   |   |   |
| 101 |   |   |   | Recommendations are based upon data size, data distribution, and skewness.  |       |  |   |   |   |   |
| 102 |   |   |   | These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).                  |       |  |   |   |   |   |
| 103 |   |   |   | However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician. |       |  |   |   |   |   |
| 104 |   |   |   | #VALUE!   |       |  |   |   |   |   |

|    |        |
|----|--------|
|    | L      |
| 1  |        |
| 2  |        |
| 3  |        |
| 4  |        |
| 5  |        |
| 6  |        |
| 7  |        |
| 8  |        |
| 9  |        |
| 10 |        |
| 11 |        |
| 12 |        |
| 13 | 33     |
| 14 | 65     |
| 15 | 1      |
| 16 | 2      |
| 17 | 2      |
| 18 | 61.9%  |
| 19 | 1.449  |
| 20 | 0.892  |
| 21 | 2.07   |
| 22 | 0.743  |
| 23 |        |
| 24 |        |
| 25 |        |
| 26 |        |
| 27 |        |
| 28 |        |
| 29 |        |
| 30 |        |
| 31 |        |
| 32 | 0.116  |
| 33 | 1.391  |
| 34 | 1.383  |
| 35 | 1.411  |
| 36 | 1.694  |
| 37 | 2.344  |
| 38 |        |
| 39 |        |
| 40 |        |
| 41 | Level  |
| 42 |        |
| 43 | Level  |
| 44 |        |
| 45 |        |
| 46 |        |
| 47 | 1.691  |
| 48 | 0.96   |
| 49 | 135.3  |
| 50 | 1.249  |
| 51 |        |
| 52 |        |
| 53 | 292.8  |
| 54 | 253.7  |
| 55 | 1.371  |
| 56 |        |
| 57 |        |
| 58 |        |
| 59 |        |
| 60 |        |
| 61 |        |
| 62 | 1.215  |
| 63 | 0.82   |
| 64 | 0.906  |
| 65 | 1.115  |
| 66 | 1.089  |
| 67 | 234.2  |
| 68 | 1.151  |
| 69 | 0.0477 |
| 70 | 199.3  |
| 71 | 1.428  |
| 72 |        |
| 73 |        |

|     |         |
|-----|---------|
|     | L       |
| 74  |         |
| 75  | rel     |
| 76  |         |
| 77  | rel     |
| 78  |         |
| 79  |         |
| 80  |         |
| 81  | -0.0106 |
| 82  | 0.635   |
| 83  | 1.412   |
| 84  | 1.444   |
| 85  | #VALUE! |
| 86  |         |
| 87  |         |
| 88  |         |
| 89  | 0.0699  |
| 90  | 0.464   |
| 91  | 1.297   |
| 92  |         |
| 93  |         |
| 94  |         |
| 95  |         |
| 96  |         |
| 97  |         |
| 98  | 1.383   |
| 99  |         |
| 100 |         |
| 101 |         |
| 102 |         |
| 103 | n.      |
| 104 |         |